



**MIAMI-DADE COUNTY**  
DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY  
AFFAIRS (PERA)  
BOARD AND CODE ADMINISTRATION DIVISION  
**NOTICE OF ACCEPTANCE (NOA)**

**MIAMI-DADE COUNTY**  
**PRODUCT CONTROL SECTION**  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599  
[www.miamidade.gov/pera/](http://www.miamidade.gov/pera/)

**Leader Industries, Inc.**  
**P.O. Box 40913**  
**Nashville, TN 37204**

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION: Model DC-638 Aluminum Penthouse Louver System**

**APPROVAL DOCUMENT:** Drawing No. **08-00627**, titled "DC-638 Penthouse Louver System", sheets 1 through 5 of 5, dated 10/06/2008, prepared by Leader Industries, Inc, signed and sealed by Luis R. Lomas, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING: Large and Small Missile Impact Resistant**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **revises** NOA # **10-0216.01** and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



*[Signature]*  
**04/25/2012**

**NOA No. 12-0208.10**  
**Expiration Date: March 17, 2015**  
**Approval Date: May 3, 2012**  
**Page 1**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS “Submitted under NOA # 08-1126.04”**

1. Drawing No. **08-00627**, titled “DC-638 Penthouse Louver System”, sheets 1 through 5 of 5, dated 10/06/2008, prepared by Leader Industries, Inc, signed and sealed by Luis R. Lomas, P.E.

**B. TESTS “Submitted under NOA # 07-0305.08”**

1. Test Report # **NCTL 210-3258-1** on Large Missile Impact Test per TAS 201, Cyclic Wind Pressure Test per TAS 203, and Uniform Static Air Pressure Test per TAS 202, prepared by National Certified Testing Laboratories, dated 04/10/2006, signed and sealed by Gerard J. Ferrara, P.E.

**“Submitted under NOA # 05-1114.05”**

2. Test report on Large Missile Impact Test per TAS 201, Test, Cyclic Wind Pressure Test per TAS 203, Test and Uniform Static Air Pressure Test per TAS 202 of “DC-PEAB Aluminum Louvered Penthouse”, prepared by National Certified Testing Laboratories, report No. 210-3056-1, dated 10/25/2004, signed and sealed by G. J. Ferrara, P.E.
3. Clarification letter issued by Architectural Testing Inc, on 05/27/2003, signed by J. A. Reed, P.E.

**C. CALCULATIONS “Submitted under NOA # 08-1126.04”**

1. Anchor calculations dated 10/13/2008, prepared, signed and sealed by Luis R. Lomas, P.E.

**“Submitted under NOA # 05-1114.05”**

2. Anchor Calculations prepared by Product Technology Corporation, dated 11/02/2004, pages 1 to 5, signed and sealed by E. S. Nielsen, P.E.

**D. QUALITY ASSURANCE**

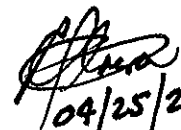
1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA)

**E. MATERIAL CERTIFICATIONS**

1. None.

**F. STATEMENTS**

1. Statement letter of code conformance to 2010 FBC and no financial interest, dated 01/24/2012, issued, signed and sealed by Luis R. Lomas, P.E.

  
04/25/2012

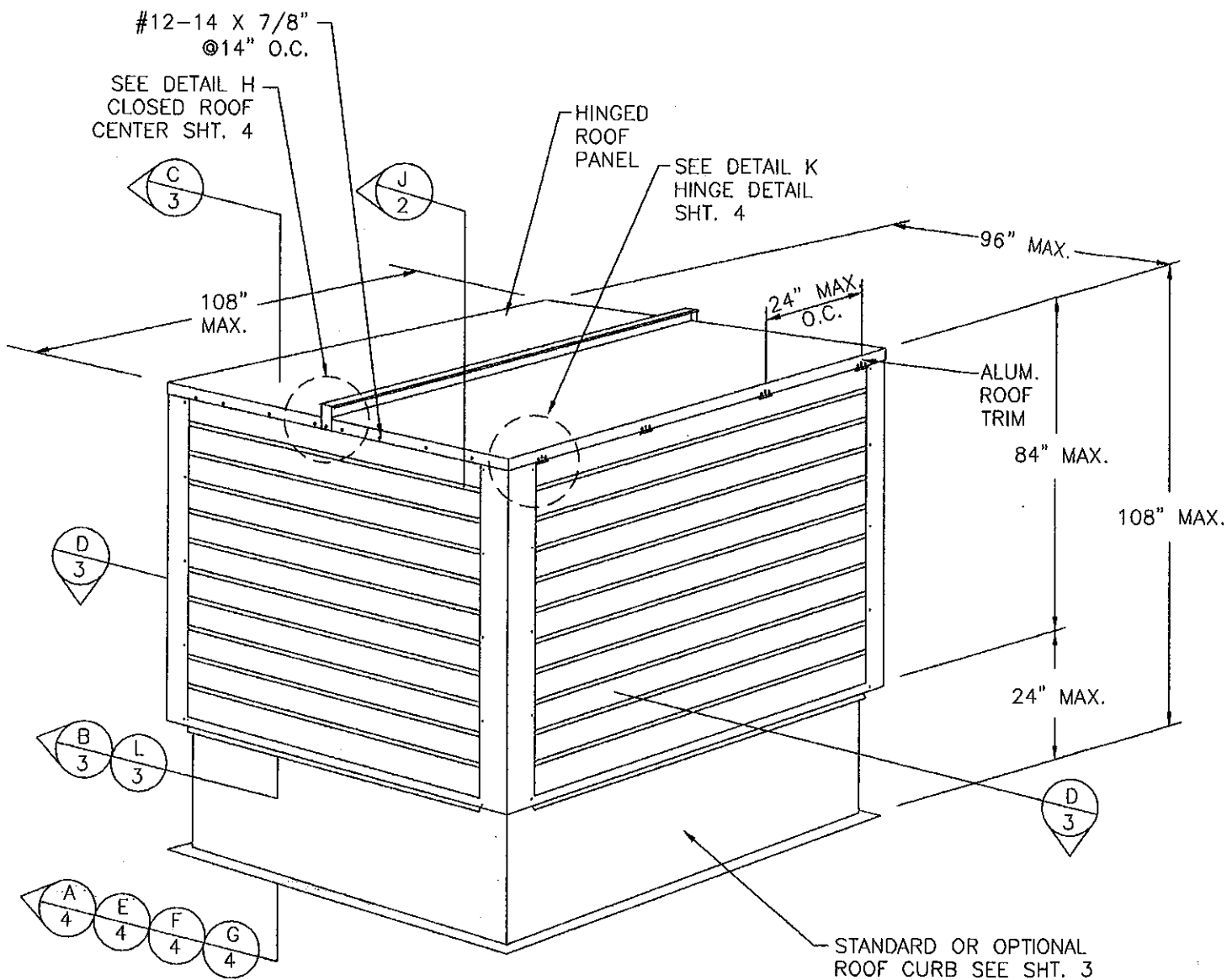
Carlos M. Utrera, P.E.

Product Control Examiner

NOA No. 12-0208.10

Expiration Date: March 17, 2015

Approval Date: May 3, 2012



EXTERIOR ELEVATION

DESIGN PRESSURE RATING	IMPACT RATING
±100PSF	LARGE AND SMALL MISSILE IMPACT

GENERAL NOTES:

- 1) THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING THE HVHZ.
- 2) ROOF SYSTEM MUST BE DESIGNED PROPERLY TO TRANSFER ALL LOADS TO THE STRUCTURE. ROOF SYSTEM IS RESPONSIBILITY OF ARCHITECT OR ENGINEER OF RECORD.
- 3) PRODUCTS ARE APPROVED FOR USE WHERE LARGE MISSILE IMPACT RESISTANCE IS REQUIRED. IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED.
- 4) SEE DESIGN PRESSURE RATING SHEET 1.
- 5) ISOLATE ALL SUBSTRATE ANCHOR CLIPS/ ANGLES, PART NUMBERS 9 & 16 FROM MASONRY/CONCRETE SUBSTRATE BY OTHERS.
- 6) UNIT CAN BE INSTALLED WITH OR WITHOUT ITEM 11, FAN SKIRT, & ITEM 12, FAN BRACKET.
- 7) THIS UNIT IS TO BE INSTALLED IN A LOCATION WHERE THE ROOM INSIDE THE SYSTEM IS DESIGNED TO DRAIN WATER PENETRATING INTO THE ROOM AND THE ROOM WILL HOUSE WATER RESISTANCE WATER PROOF EQUIPMENT, COMPONENTS OR SUPPLIES.
- 8) ALLOWABLE STRESS INCREASE OF 1/3 WAS NOT USED IN THE DESIGN OF THE PRODUCT SHOWN HEREIN. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.

PRODUCT REVISED  
as complying with the Florida  
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Acceptance No 12-0208.10  
Expiration Date 03/17/2015  
By *[Signature]*  
Miami Dade Product Control

PRODUCT RENEWED  
as complying with the Florida  
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Acceptance No 10-0216.01  
Expiration Date 03/17/2015  
By *[Signature]*  
Miami Dade Product Control Division

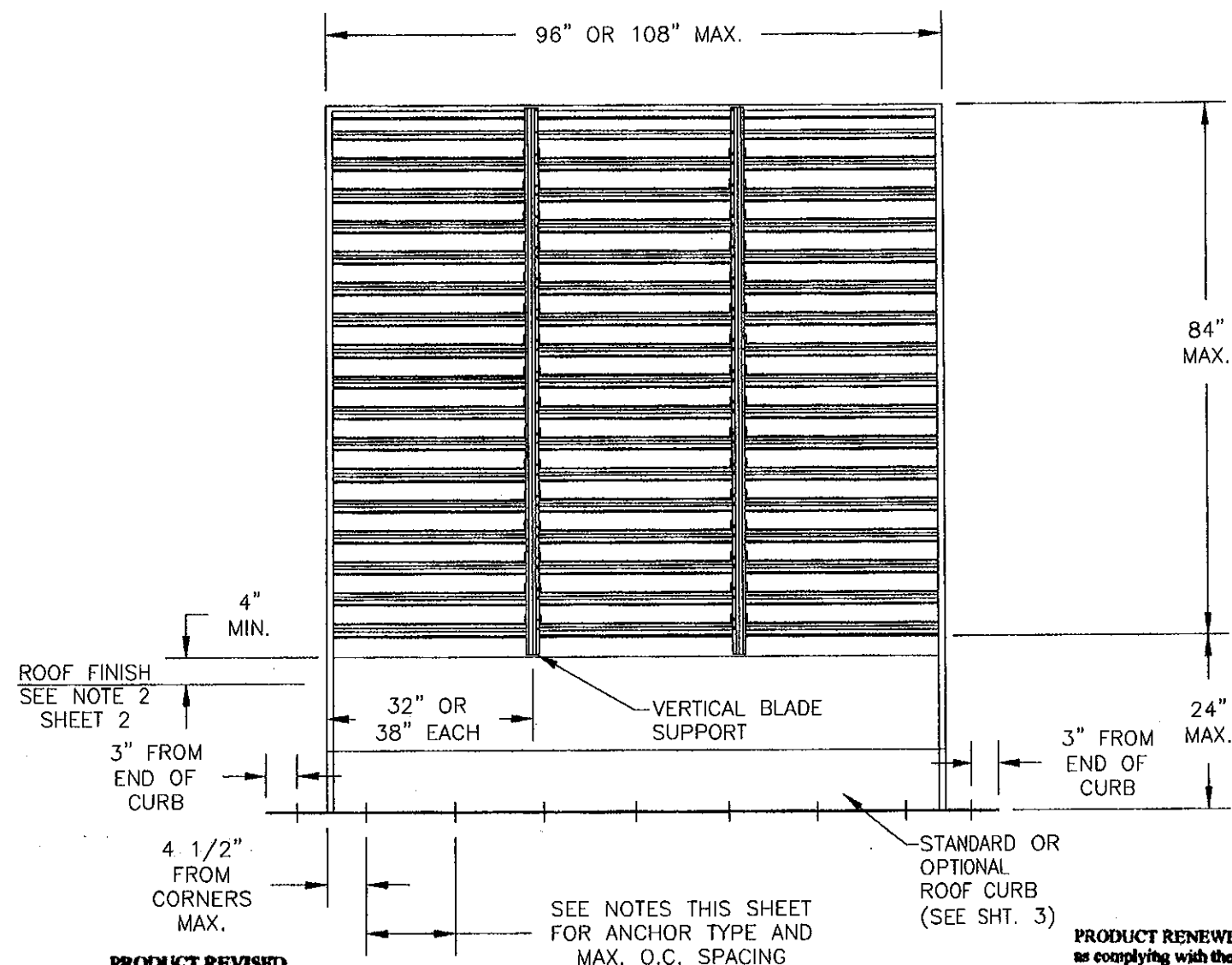
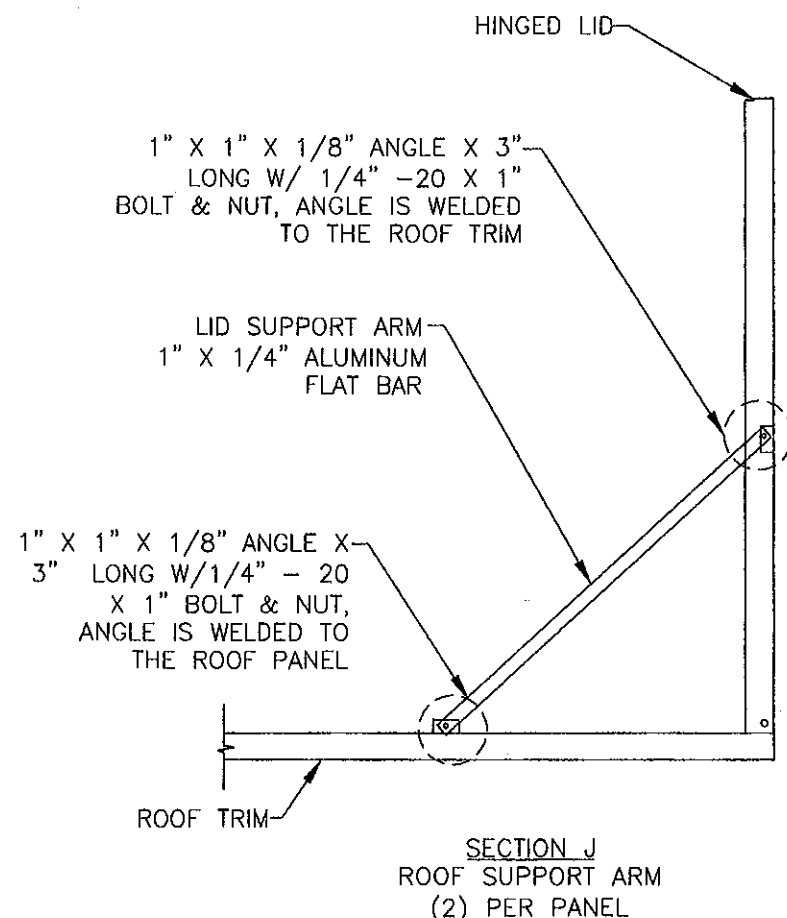
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2	FABRICATION SECTION & ANCHORING LAYOUT
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5	BILL OF MATERIALS & COMPONENTS

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 08-1126.04  
Expiration Date 03/17/2010  
By *[Signature]*  
Miami Dade Product Control Division

LEADER INDUSTRIES, INC.  
2509 CRUZEN STREET  
NASHVILLE, TN 37211  
DC-638 PENTHOUSE LOUVER SYSTEM  
LARGE AND SMALL MISSILE IMPACT  
ELEVATION & GENERAL NOTES

DRAWN: TJH	DWG NO. 08-00627	REV —
SCALE NTS	DATE 10/6/08	SHEET 1 OF 5

*[Signature]*  
10/31/08  
Luis R. Lomas P.E.  
Florida No. 62514



#### ANCHORING NOTES:

- 1) SUBSTRATES, ANCHOR TYPES & SPACING ARE AS FOLLOWS:
  - A) CONCRETE DECKING USE 3/8" DIA. HILTI KWIK BOLT 3 OF SUFFICIENT LENGTH TO ACHIEVE MIN. OF 3 1/2" EMBEDMENT INTO CONCRETE AND 3 3/4" MINIMUM EDGE DISTANCE. LOCATE ANCHORS 3" FROM END OF CURB, 4 1/2" MAX. FROM CORNERS OF LOUVER & 20" O.C. MAX. THEREAFTER.
  - B) WOOD FRAME DECKING, USE 7/16" DIA. LAG SCREW OF SUFFICIENT LENGTH TO ACHIEVE 3 1/2" MIN. EMBEDMENT INTO WOOD DECKING. LOCATE LAG SCREWS 3" FROM END OF CURB, 4 1/2" MAX. FROM CORNERS OF LOUVER & 20" O.C. MAX. THEREAFTER.
  - C) STEEL GIRDER OR PURLIN WITH METAL DECKING, USE #14-3 POINT ITWBUILD EX MAXISEAL SCREW SPACED 3" FROM END OF CURB, 4 1/2" MAX. FROM CORNERS OF LOUVER & 14 1/2" O.C. MAX. THEREAFTER.
  - D) STEEL GIRDER OR PURLIN WITH METAL DECKING, USING 1/8" x 3/4" FILLET WELD SPACED 3" FROM END OF CURB, 4 1/2" MAX. FROM CORNERS OF LOUVER & 20" O.C. MAX. THEREAFTER.
- 2) ALL ROOFING DETAILS SHALL COMPLY WITH CHAPTER 15 OF THE FLORIDA BUILDING CODE.
- 3) ALL ANCHORS/FASTENERS TO BE CORROSION RESISTANT.
- 4) INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW:
  - A. WOOD - MINIMUM SPECIFIC GRAVITY OF G=0.42
  - B. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI.
  - C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER)

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Miami Dade Product Control

DC-638-1 & 2 PENTHOUSE LOUVER SYSTEM

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By *[Signature]*  
Miami Dade Product Control  
Division

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By *[Signature]*  
Miami Dade Product Control  
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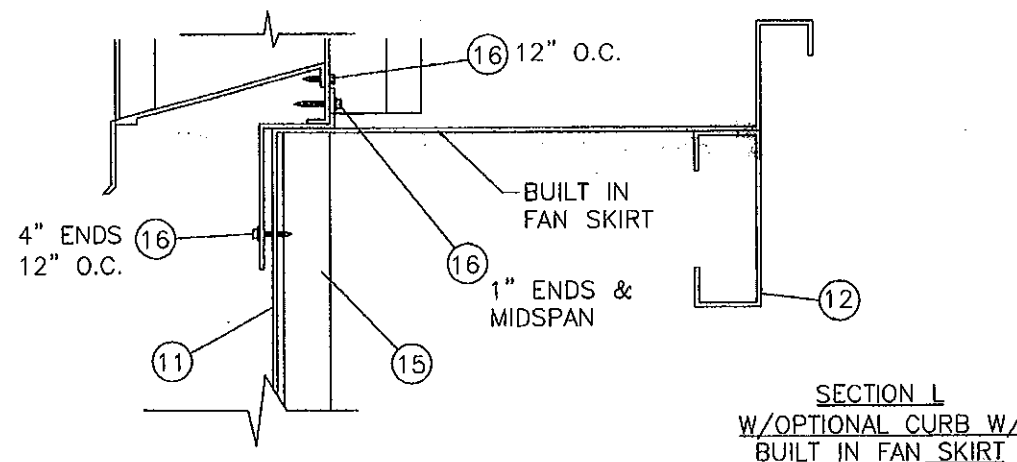
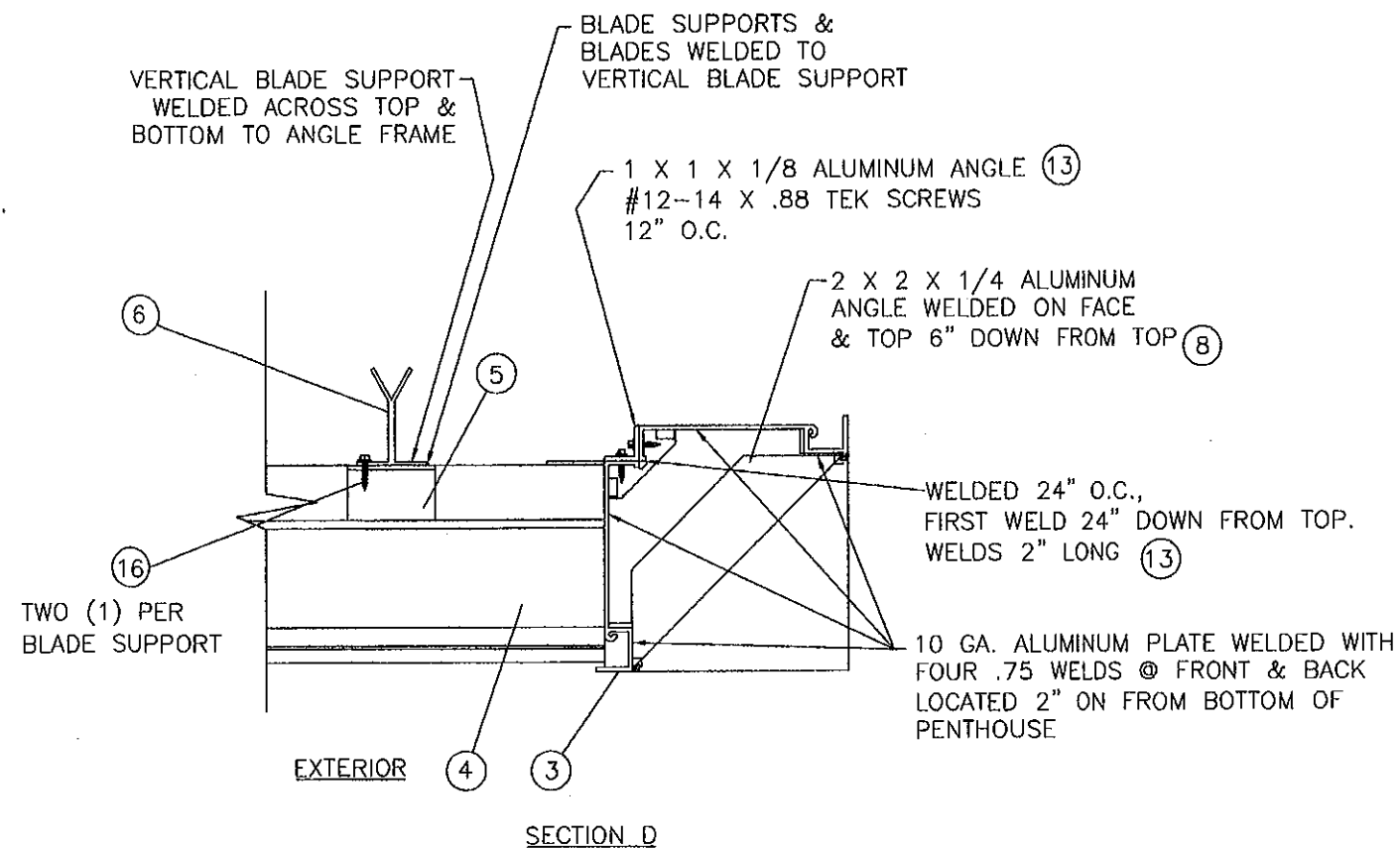
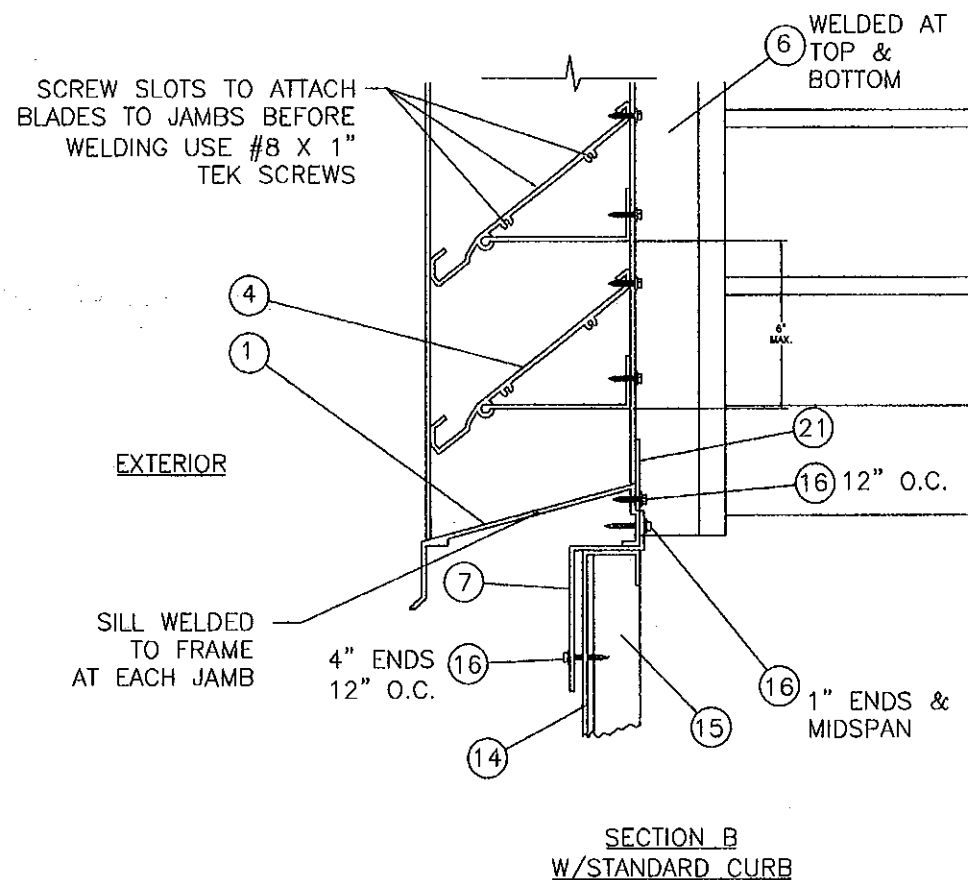
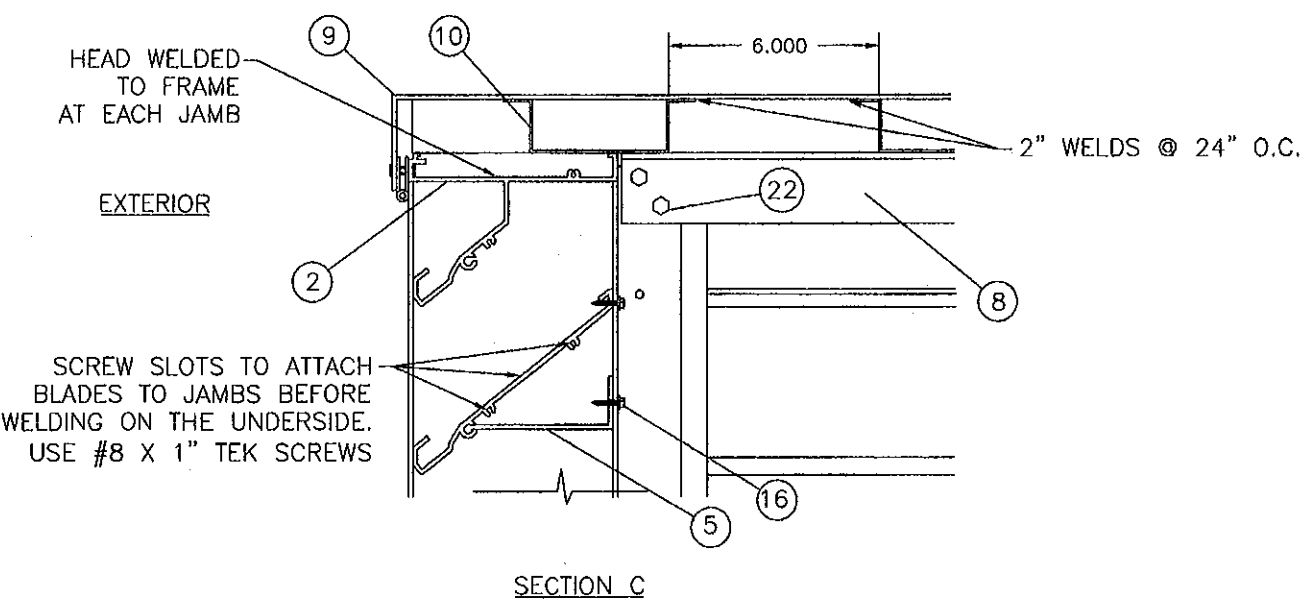
**LEADER INDUSTRIES, INC.**

2509 CRUZEN STREET  
NASHVILLE, TN 37211

DC-638 PENTHOUSE LOUVER SYSTEM  
LARGE AND SMALL MISSILE IMPACT  
FABRICATION SECTION & ANCHORING LAYOUT

DRAWN: TJH	DWG NO. 08-00627	REV -
SCALE NTS	DATE 10/6/08	SHEET 2 OF 5

*[Signature]*  
10/31/08  
Luis R. Lomas P.E.  
Florida No. 62514



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

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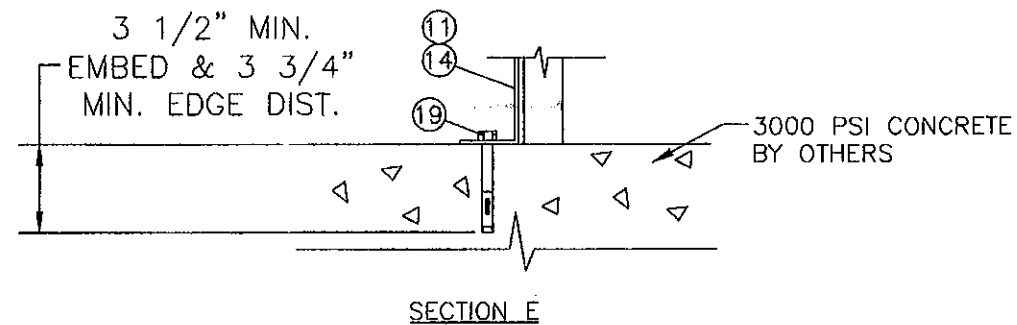
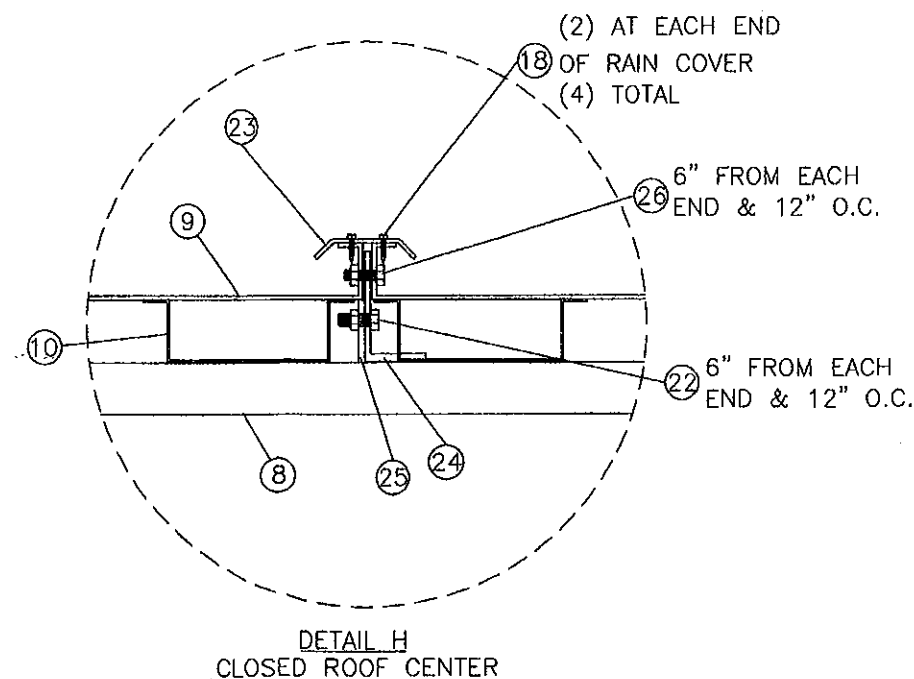
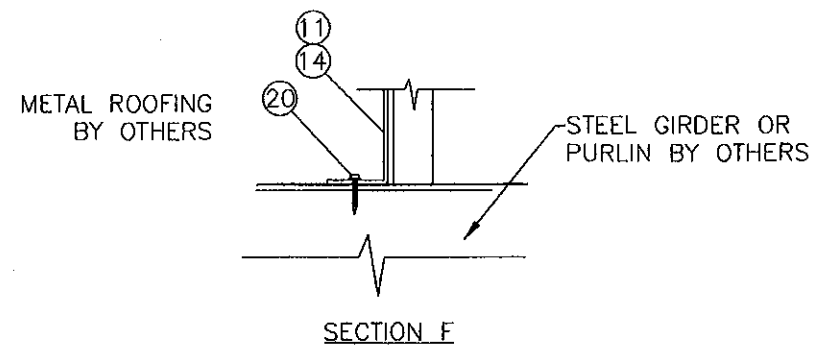
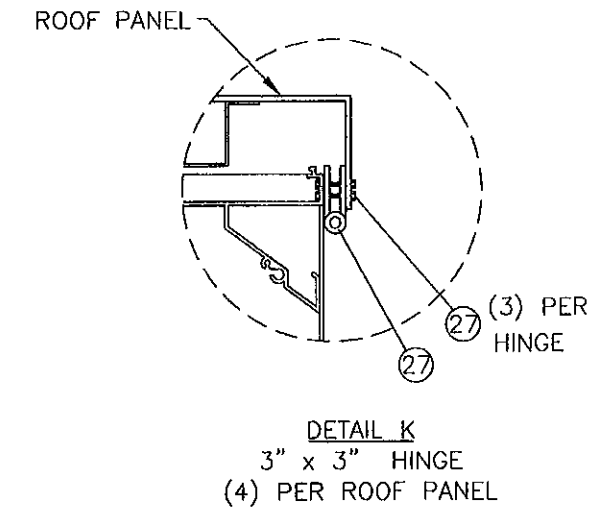
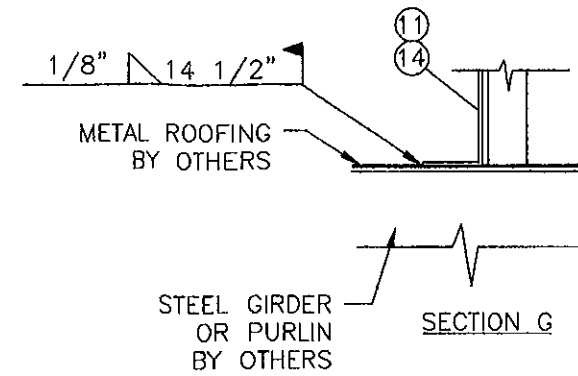
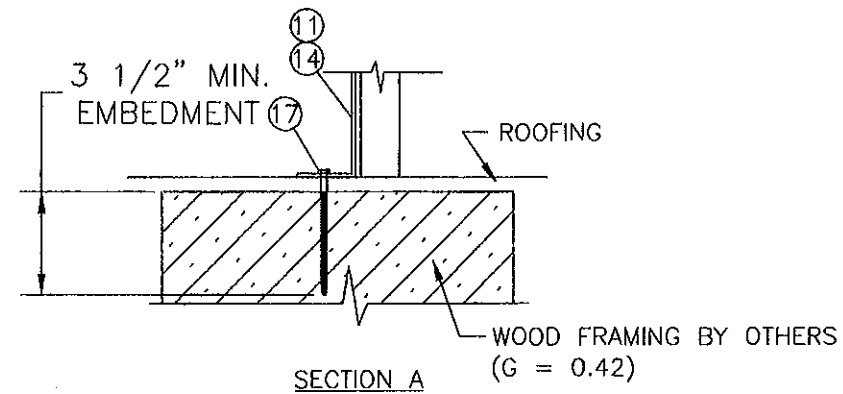
LEADER INDUSTRIES, INC.  
2509 CRUZEN STREET  
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DC-638 PENTHOUSE LOUVER SYSTEM  
LARGE AND SMALL MISSILE IMPACT  
FABRICATION SECTIONS

*[Signature]*  
10/31/08

Luis R. Lomas P.E.  
Florida No. 62514

DRAWN: TJH	DWG NO. 08-00627	REV -
SCALE NTS	DATE 10/6/08	SHEET 3 OF 5

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



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Miami Dade Product Control  
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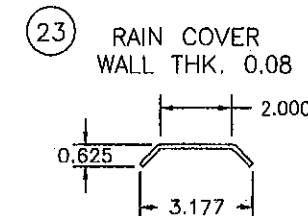
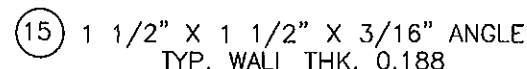
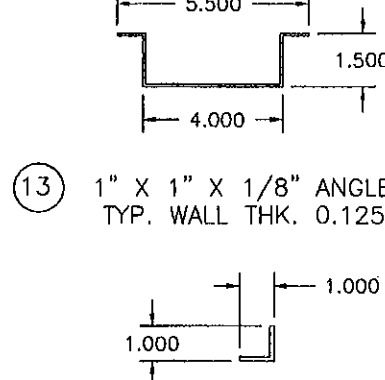
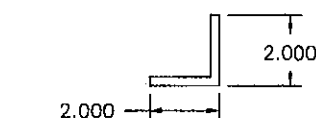
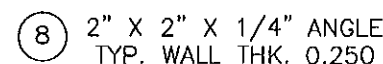
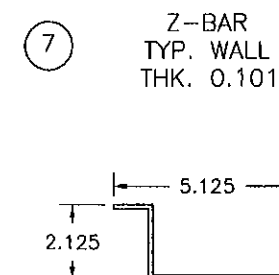
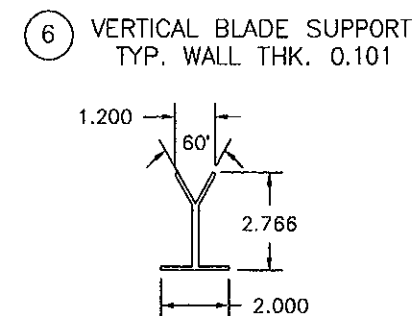
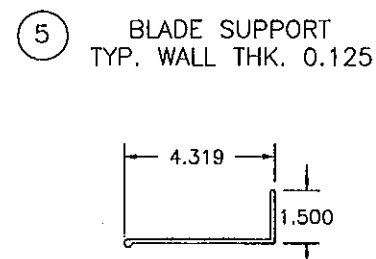
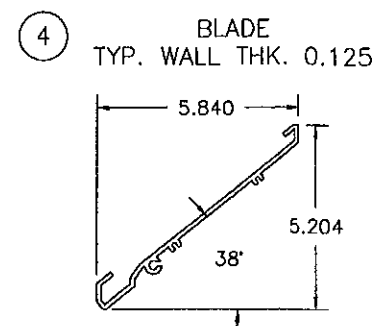
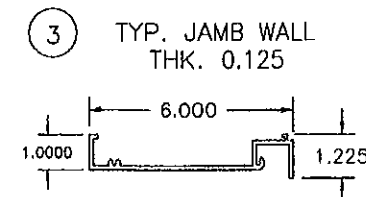
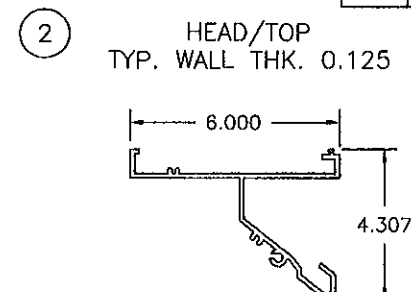
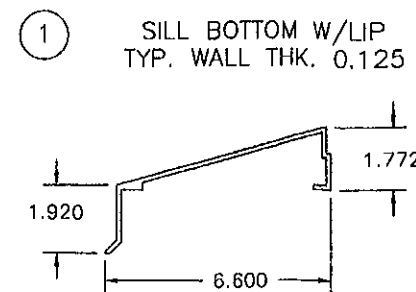
DC-638 PENTHOUSE LOUVER SYSTEM  
LARGE AND SMALL MISSILE IMPACT  
INSTALLATION & FABRICATION DETAILS

*[Signature]*  
10/31/08

DRAWN: TJH	DWG NO. 08-00627	REV -
SCALE NTS	DATE 10/6/08	SHEET 4 OF 5

Luis R. Lomas P.E.  
Florida No. 62514

PARTS LIST				
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
1	22855	SILL/BOTTOM W/LIP	BRT EXTRUSIONS	ALUM. 6063-T5
2	22943	HEAD/TOP	BRT EXTRUSIONS	ALUM. 6063-T5
3	22852	JAMB	BRT EXTRUSIONS	ALUM. 6063-T5
4	22851	BLADE	BRT EXTRUSIONS	ALUM. 6063-T5
5	22854	BLADE SUPPORT	BRT EXTRUSIONS	ALUM. 6063-T5
6		VERTICAL BLADE SUPPORT	BRT EXTRUSIONS	ALUM. 6063-T5
7		Z-BAR 10ga.	LEADER	GALVANIZED STEEL
8		2" x 2" x 1/4" ANGLE	LEADER	ALUM. 6063-T5
9		ROOF FORMED 12ga.	LEADER	ALUM. 3003-H14
10		HAT CHANNEL .081" THK.	LEADER	ALUM. 6063-T5
11		FAN SKIRT 14ga. (OPTIONAL)	LEADER	GALVANIZED STEEL
12		FAN BRACKET SUPPORT 14ga. OR .125" THK. (OPTIONAL)	LEADER	GALVANIZED STEEL
13		1" x 1" x 1/8" ANGLE	LEADER	ALUM. 6063-T5
14		ROOF CURB 14ga. 24" MAX HEIGHT	LEADER	GALVANIZED STEEL
15		1 1/2" x 1 1/2" x 3/16" ANGLE	LEADER	STEEL
16		#12-14 x 1 1/2" TEK SCREW		STEEL
17		7/16" LAG SCREW		STEEL
18		#8 x 1/2" TEK SCREW		STEEL
19		3/8" HILTI KWIK BOLT III	HILTI	STEEL
20		#14-3 POINT ITWBUILD EX MAXISEAL	ITWBUILD EX	STEEL
21		RAIN STOP .135" THK.	BRT EXTRUSIONS	ALUM. 6063-T5
22		1/2" x 1" BOLT, NUT & WASHER		STEEL
23		RAIN COVER	BRT EXTRUSIONS	ALUM. 3003-H4
24		2" x 3" 3/16" THK. ANGLE	LEADER	ALUM. 6063-T5
25		2" x 2" x 3/16" THK. ANGLE	LEADER	ALUM. 6063-T5
26		5/16-18 x 1" HH BOLT & NUT		STAINLESS STEEL
27		3" x 3" HINGE		STAINLESS STEEL
28		#10 x 1/2" TEK SCREW		STAINLESS STEEL



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LEADER INDUSTRIES, INC.  
2509 CRUZEN STREET  
NASHVILLE, TN 37211

DC-638 PENTHOUSE LOUVER SYSTEM  
LARGE AND SMALL MISSILE IMPACT  
BILL OF MATERIALS & COMPONENTS

DRAWN: TJH DWG NO. 08-00627 REV -  
SCALE NTS DATE 10/6/08 SHEET 5 OF 5

*[Signature]*  
10/31/08

Luis R. Lomas P.E.  
Florida No. 62514

THE 24" HIGH 14 GA. GALVANIZED ROOF CURB HAS WELDED CORNERS. 108" SIDE HAS (4) STEEL ANGLES 1.5 X 1.5 X 1/4 AT 24" FROM ENDS AND 20" O.C., WELDED TO CURB WITH (3) 1.5" WELDS. THE 96" SIDE HAS (3) STEEL ANGLES 1.5 X 1.5 1/4 AT 26" FROM ENDS AND 22" O.C., WELDED TO CURB WITH (3) 1.5 WELDS.